

Work Order ID 143627 -1

143627

Today

Page 1

Item ID: D3536-13

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Gasket Forward

Start Date: 3/24/2016 Start Qty: 20.00

20

Cust Item ID:

Required Date: 4/5/2016 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan: 5A 20160317

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D3536

Rev A

100

0.00

100

FLOW WATER JET

Waterjet

Memo

0.06

FLOW CNC Waterjet

1-Cut as per Dwg D3536 Dwg Rev: A Prog Rev: A 2-
Deburr if necessary

①

DC 16/03/23

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Memo

0.00

Quality Control

①

DC 16/03/23

120

QC8- Inspect parts - second check

0.00

120

QC

Memo

0.01

Quality Control

1

DAS
38
8-89

MAR 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 143627

March 17, 2016 12:01:07 PM

143627

Page 2

Item ID: D3536-13 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Gasket Forward
Start Date: 3/24/2016 Start Qty: 20.00 ***20*** Cust Item ID:
Required Date: 4/5/2016 Req'd Qty: 20.00 ***20*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging	LOCATION: FP001								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.03							
Quality Control									

MAR 23 2016

DAG
6
8-20

MAR 23 2016

MAR 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐		Power Loss/Surge ☐	Positioned Wrong ☐																
Design ☐		Operator ☐		Bending ☐		Set-up ☐		Folio/Program ☐	Outside Dimensions ☐																
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐		Grain ☐	Over/Under tolerance ☐																
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐		Weld ☐	Part Incorrect ☐																
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐		Wrong Stock Pulled ☐	Part Lost/Missing ☐																
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐		Out of Sequence ☐	Part Moved ☐																
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐		Off-set ☐	Drawing ☐																
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐		Mislabeled ☐	Finish ☐																
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐		Fit/Function ☐	Misread ☐																
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐		Misaligned/off center ☐	Turning Sequence ☐																
Past Expiry Date ☐		Manufacturing Process ☐		OTHER :																					
Misidentified ☐		Past Due ☐																							

Picklist Print

March 17, 2016 12:01:11 PM

Page 1

Work Order ID: 143627

143627

Parent Item: D3536-13

D3536-13

Parent Item Name: Gasket Forward

Start Date: 3/24/2016

Required Date: 4/5/2016

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP Rev:A New Issue 07-02-14 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MNEO60S.063		Purchased	No			100	sf	256.1210	0.8269	18.37556			

MNEO60S 063

NEOPRENE SHEET 0.063

02/16/03/23

Location

Loc Qty

Loc Code

MAT052

256.121

M133744

256.121

DART AEROSPACE LTD		Work Order:	143627
Description: Gasket		Part Number:	D3536-13
Inspection Dwg: D3536 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
32.90	+/-0.030	32.90	/		Tape	
29.40	+/-0.030	29.40	/		V-D-02	
27.40	+/-0.030	27.40	/			
23.90	+/-0.030	23.90	/			
18.98	+/-0.030	18.98	/			
14.07	+/-0.030	14.07	/			
9.15	+/-0.030	9.15	/			
5.65	+/-0.030	5.65	/			
3.90	+/-0.030	3.90	/			
8.00	+/-0.030	8.00	/			
14.00	+/-0.030	14.00	/			
20.00	+/-0.030	20.00	/			
1.89	+/-0.030	1.89	/			
0.30	+/-0.030	.30	/			
0.30	+/-0.030	.30	/			
Ø0.19	+0.005/-0.001	Ø.19	/			

Measured by:	D- 16/03/23	Audited by:	DAS 38 MAR 23 2016	Prototype Approval:	N/A
Date:		Date:		Date:	N/A

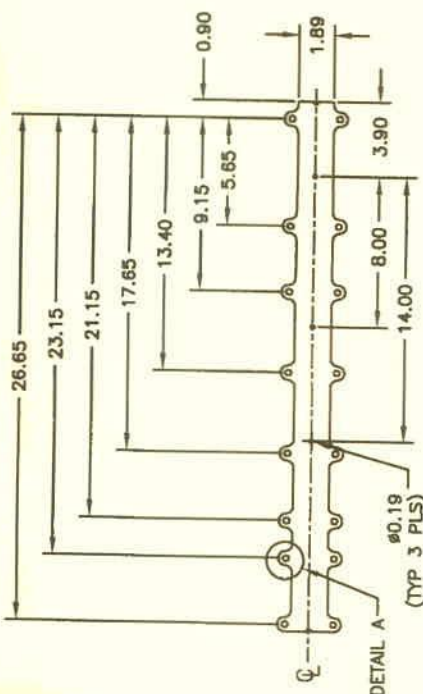
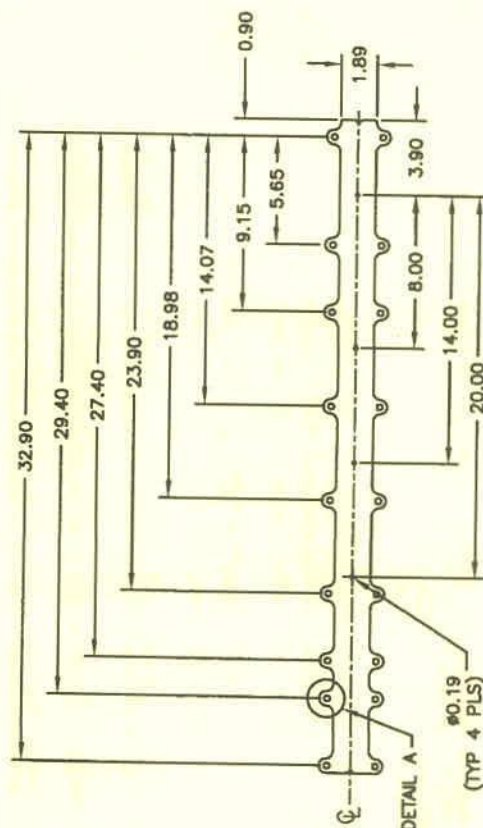
Rev	Date	Change	Revised by	Approved
A	07.06.13	New Issue	KJ/JLM	JE

DART

DESIGN CB	DRAWN BY CB	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED PH	APPROVED 	DRAWING NO. D3536	REV. A SHEET 1 OF 6
DATE 06.10.25		TITLE GASKET	SCALE 1:10
A	06.10.25	NEW ISSUE	

RELEASED

09.02.12

**D3536-11 GASKET****D3536-13 GASKET**

- NOTES**
- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
 - 2) FINISH: NONE
 - 3) PART IS SYMMETRICAL ABOUT ϕ
 - 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 5) ALL DIMENSIONS ARE IN INCHES
 - 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
 - 7) SEE PAGE 6 FOR DETAILS AND SECTION

64143627
20160317

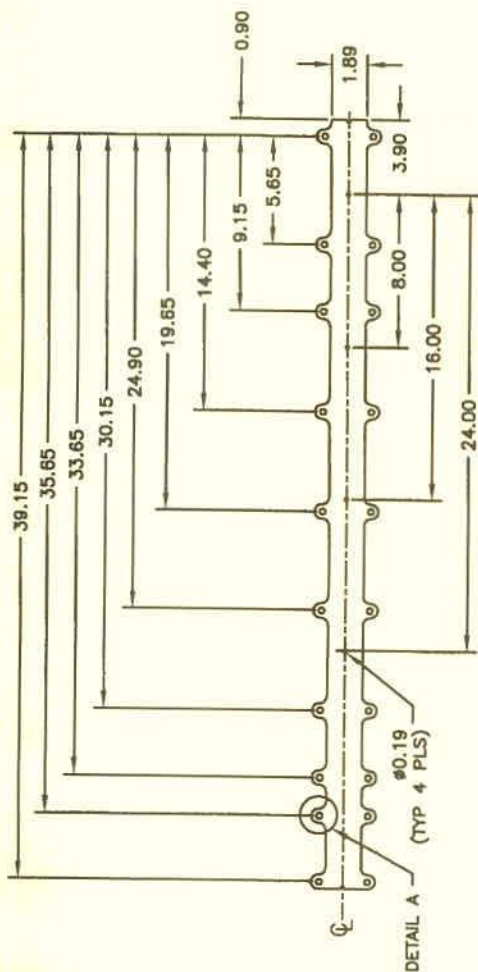
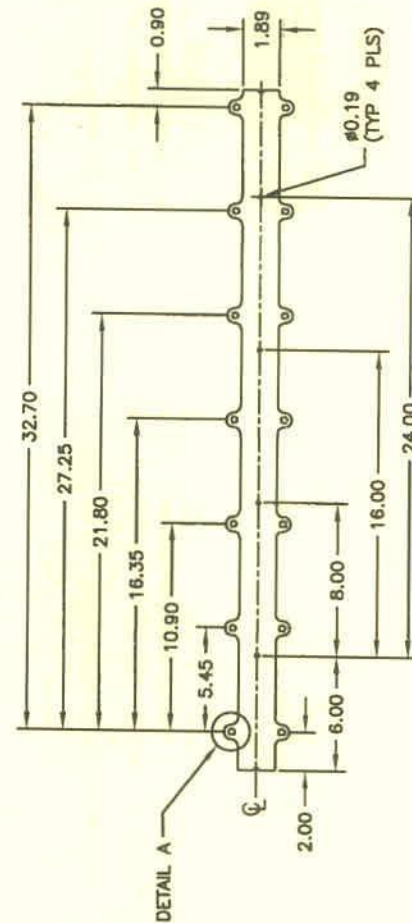
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DATE 06.10.25	TITLE GASKET		SCALE 1:10

RELEASED
07.02.12

**D3536-15 GASKET****D3536-21 GASKET****NOTES**

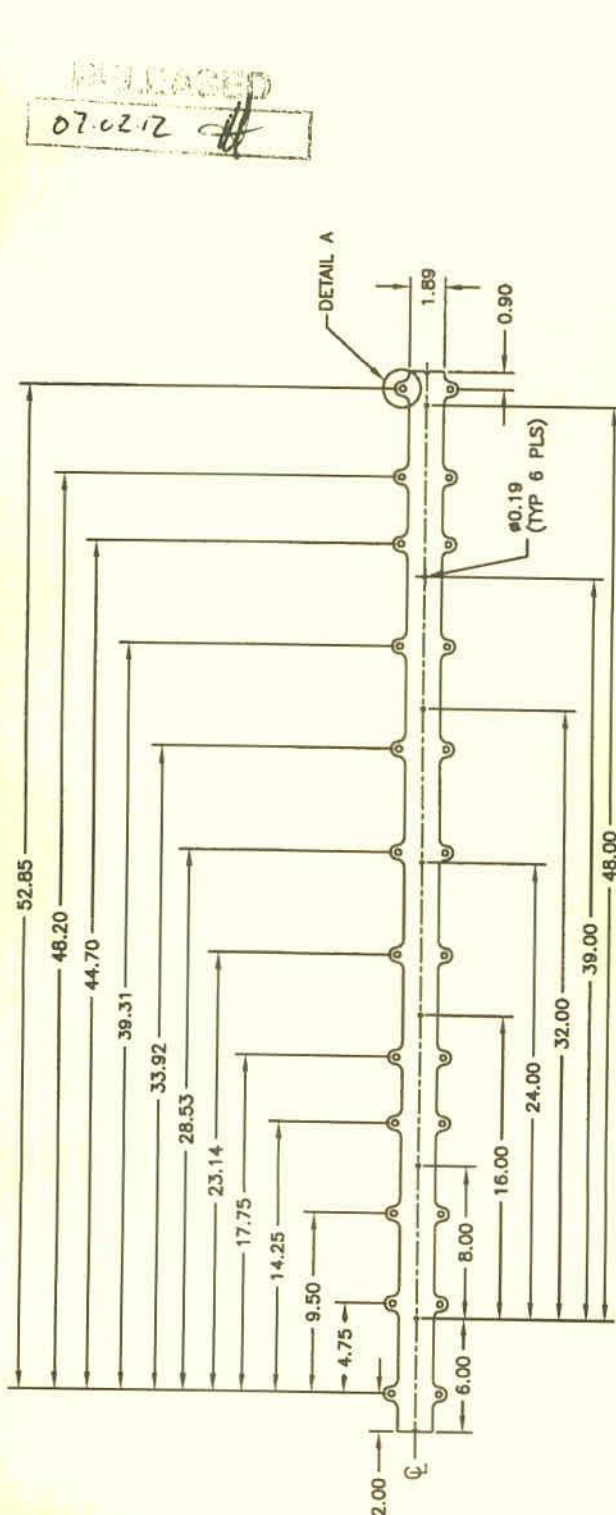
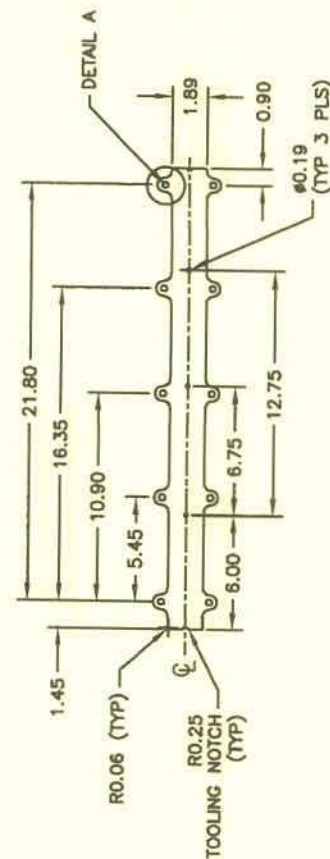
- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO60-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT ϕ
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DATE 06.10.25	TITLE GASKET		SCALE 1:10

**D3536-23 GASKET****D3536-25 GASKET**

- NOTES**
- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO60-S.063)
 - 2) FINISH: NONE
 - 3) PART IS SYMMETRICAL ABOUT ϕ
 - 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
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 - 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
 - 7) SEE PAGE 6 FOR DETAILS AND SECTION

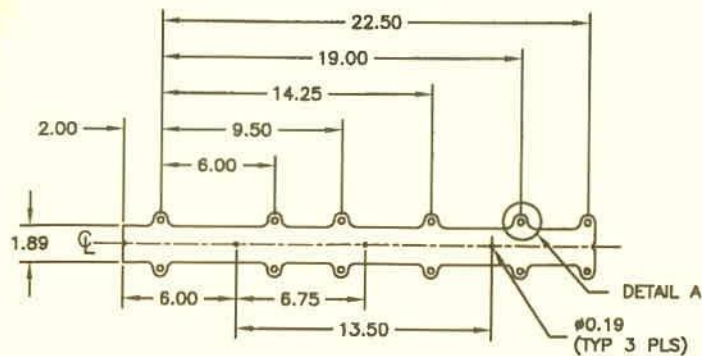
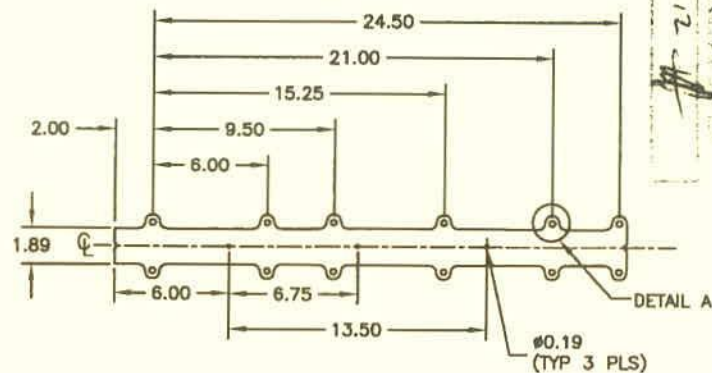
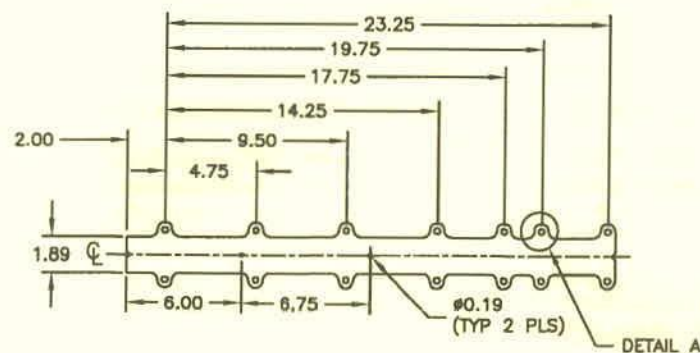
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DATE	06.10.25	TITLE	D3536	REV. A
			GASKET	SHEET 4 OF 6
				SCALE
				1:10

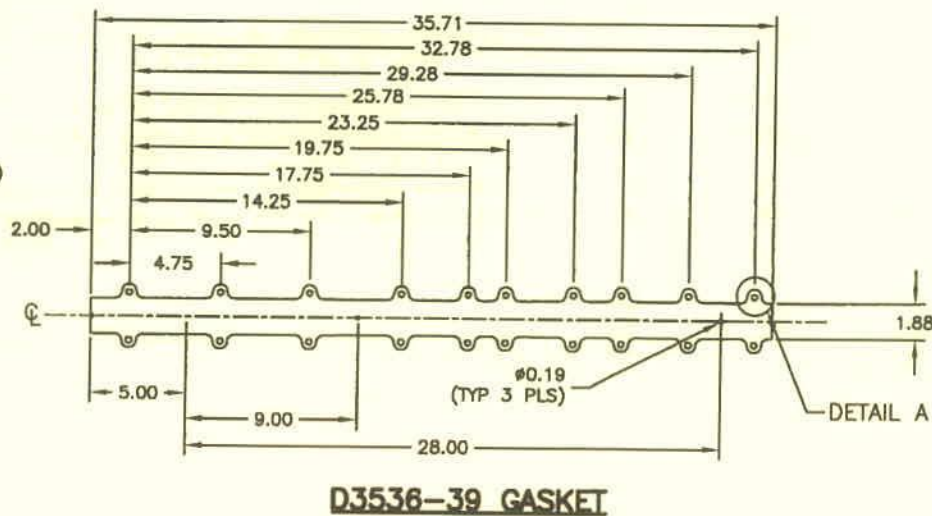
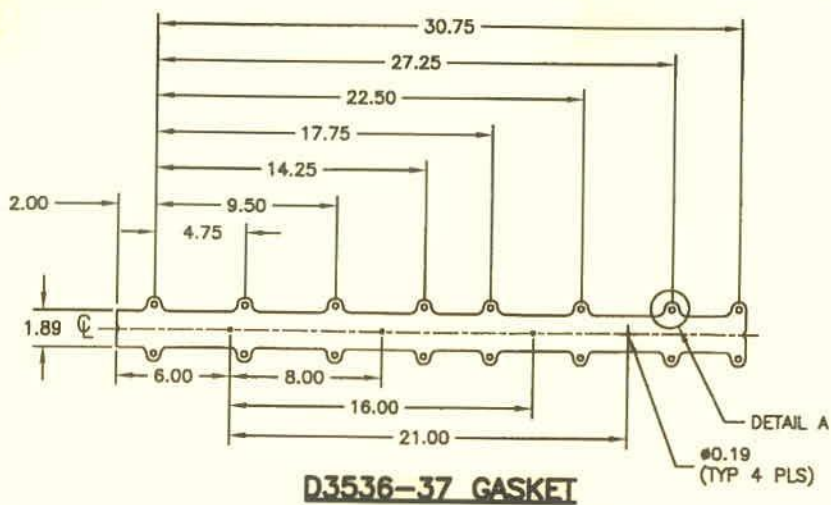
07.02.12

**D3536-31 GASKET****D3536-33 GASKET****D3536-35 GASKET****NOTES**

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO60-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
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DATE	06.10.25	TITLE	D3536	REV. A
			GASKET	SHEET 5 OF 6
				SCALE
				1:10

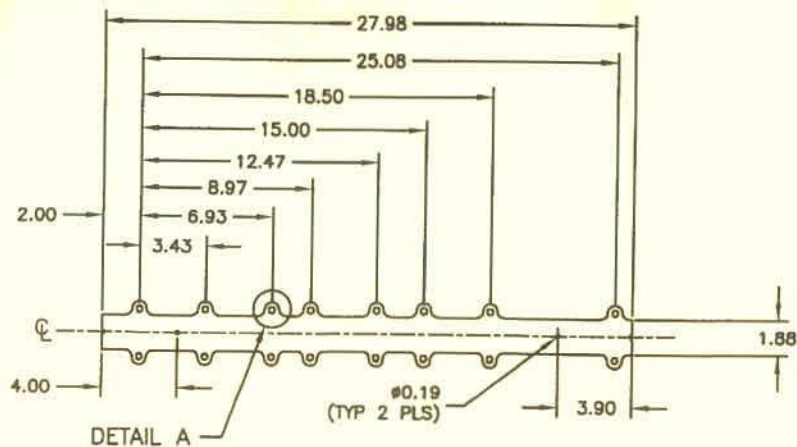
07.02.12
PH**NOTES**

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
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DESIGN	C.B.	DRAWN BY	C.B.	DART AEROSPACE USA, INC.
CHECKED	PH	APPROVED	PH	PORT HADLOCK, WA
DATE	06.10.25	DRAWING NO.	D3536	REV. A
		TITLE	GASKET	SHEET 6 OF 6
		SCALE	1:10	

076612 C.B.



D3536-41 GASKET

NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO60-S.063)
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